



OIIPE

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/033,741

DATE: 06/05/2002
TIME: 10:49:50

Input Set : A:\PTO.PG.txt
Output Set: N:\CRF3\06052002\J033741.raw

ENTERED

3 <110> APPLICANT: Herman, et al.

5 <120> TITLE OF INVENTION: Proteins, Genes and Their Use For Diagnosis and Treatment of

Vascular

6 Response

8 <130> FILE REFERENCE: 9195-079

10 <140> CURRENT APPLICATION NUMBER: 10/033,741

11 <141> CURRENT FILING DATE: 2001-12-27

13 <160> NUMBER OF SEQ ID NOS: 80

15 <170> SOFTWARE: PatentIn version 3.0

17 <210> SEQ ID NO: 1

18 <211> LENGTH: 10

19 <212> TYPE: PRT

20 <213> ORGANISM: Homo sapiens

22 <400> SEQUENCE: 1

24 Leu Val Gln Glu Val Thr Asp Phe Ala Lys

25 1 5 10

27 <210> SEQ ID NO: 2

28 <211> LENGTH: 17

29 <212> TYPE: PRT

30 <213> ORGANISM: Homo sapiens

32 <400> SEQUENCE: 2

34 Ala Asp Thr Gly Thr Thr Ser Glu Phe Ile Asp Glu Gly Ala Gly Ile

35 1 5 10 15

37 Arg

40 <210> SEQ ID NO: 3

41 <211> LENGTH: 13

42 <212> TYPE: PRT

43 <213> ORGANISM: Homo sapiens

45 <400> SEQUENCE: 3

47 Ala Gly Ala Leu Asn Ser Asn Asp Ala Phe Val Leu Lys

48 1 5 10

50 <210> SEQ ID NO: 4

51 <211> LENGTH: 9

52 <212> TYPE: PRT

53 <213> ORGANISM: Homo sapiens

55 <400> SEQUENCE: 4

57 Ala Lys Pro Ala Leu Glu Asp Leu Arg

58 1 5

60 <210> SEQ ID NO: 5

61 <211> LENGTH: 12

62 <212> TYPE: PRT

63 <213> ORGANISM: Homo sapiens

65 <400> SEQUENCE: 5

67 Ala Leu Glu Glu Ser Asn Tyr Glu Leu Glu Gly Lys

RAW SEQUENCE LISTING

DATE: 06/05/2002

PATENT APPLICATION: US/10/033,741

TIME: 10:49:50

Input Set : A:\PTO.PG.txt

Output Set: N:\CRF3\06052002\J033741.raw

68 1 5 10
70 <210> SEQ ID NO: 6
71 <211> LENGTH: 14
72 <212> TYPE: PRT
73 <213> ORGANISM: Homo sapiens
75 <400> SEQUENCE: 6
77 Ala Pro Gln Val Ser Thr Pro Thr Leu Val Glu Ala Ala Arg
78 1 5 10
80 <210> SEQ ID NO: 7
81 <211> LENGTH: 12
82 <212> TYPE: PRT
83 <213> ORGANISM: Homo sapiens
85 <400> SEQUENCE: 7
87 Ala Ser Gly Ile Ile Asp Thr Leu Phe Gln Asp Arg
88 1 5 10
90 <210> SEQ ID NO: 8
91 <211> LENGTH: 11
92 <212> TYPE: PRT
93 <213> ORGANISM: Homo sapiens
95 <400> SEQUENCE: 8
97 Ala Thr Ile Asp Gln Asn Leu Glu Asp Leu Arg
98 1 5 10
100 <210> SEQ ID NO: 9
101 <211> LENGTH: 9
102 <212> TYPE: PRT
103 <213> ORGANISM: Homo sapiens
105 <400> SEQUENCE: 9
107 Ala Thr Val Leu Tyr Gln Gly Gln Arg
108 1 5
110 <210> SEQ ID NO: 10
111 <211> LENGTH: 11
112 <212> TYPE: PRT
113 <213> ORGANISM: Homo sapiens
115 <400> SEQUENCE: 10
117 Ala Thr Trp Ser Gly Ala Val Leu Ala Gly Arg
118 1 5 10
120 <210> SEQ ID NO: 11
121 <211> LENGTH: 10
122 <212> TYPE: PRT
123 <213> ORGANISM: Homo sapiens
125 <400> SEQUENCE: 11
127 Asp Glu Pro Pro Gln Ser Pro Trp Asp Arg
128 1 5 10
130 <210> SEQ ID NO: 12
131 <211> LENGTH: 7
132 <212> TYPE: PRT
133 <213> ORGANISM: Homo sapiens
135 <400> SEQUENCE: 12
137 Asp Arg Leu Glu Glu Val Arg

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/033,741

DATE: 06/05/2002

TIME: 10:49:50

Input Set : A:\PTO.PG.txt

Output Set: N:\CRF3\06052002\J033741.raw

```
138 1          5
140 <210> SEQ ID NO: 13
141 <211> LENGTH: 9
142 <212> TYPE: PRT
143 <213> ORGANISM: Homo sapiens
145 <400> SEQUENCE: 13
147 Asp Trp Val Gln Glu Thr Met Ala Lys
148 1          5
150 <210> SEQ ID NO: 14
151 <211> LENGTH: 7
152 <212> TYPE: PRT
153 <213> ORGANISM: Homo sapiens
155 <400> SEQUENCE: 14
157 Glu Asp Phe Pro Phe Leu Arg
158 1          5
160 <210> SEQ ID NO: 15
161 <211> LENGTH: 10
162 <212> TYPE: PRT
163 <213> ORGANISM: Homo sapiens
165 <400> SEQUENCE: 15
167 Glu Asp Gly Gly Gly Trp Trp Tyr Asn Arg
168 1          5          10
170 <210> SEQ ID NO: 16
171 <211> LENGTH: 10
172 <212> TYPE: PRT
173 <213> ORGANISM: Homo sapiens
175 <400> SEQUENCE: 16
177 Glu Leu Leu Asp Ser Tyr Ile Asp Gly Arg
178 1          5          10
180 <210> SEQ ID NO: 17
181 <211> LENGTH: 8
182 <212> TYPE: PRT
183 <213> ORGANISM: Homo sapiens
185 <400> SEQUENCE: 17
187 Glu Leu Tyr Leu Val Ala Tyr Lys
188 1          5
190 <210> SEQ ID NO: 18
191 <211> LENGTH: 11
192 <212> TYPE: PRT
193 <213> ORGANISM: Homo sapiens
195 <400> SEQUENCE: 18
197 Glu Gln Pro Ile Leu Ser Glu Phe Gln Glu Lys
198 1          5          10
200 <210> SEQ ID NO: 19
201 <211> LENGTH: 12
202 <212> TYPE: PRT
203 <213> ORGANISM: Homo sapiens
205 <400> SEQUENCE: 19
207 Glu Val Val Ala Asp Ser Val Trp Val Asp Val Lys
```

RAW SEQUENCE LISTING

DATE: 06/05/2002

PATENT APPLICATION: US/10/033,741

TIME: 10:49:50

Input Set : A:\PTO.PG.txt

Output Set: N:\CRF3\06052002\J033741.raw

```

208 1          5          10
210 <210> SEQ ID NO: 20
211 <211> LENGTH: 10
212 <212> TYPE: PRT
213 <213> ORGANISM: Homo sapiens
215 <400> SEQUENCE: 20
217 Glu Tyr Thr Asp Asp Ser Phe Thr Asn Arg
218 1          5          10
220 <210> SEQ ID NO: 21
221 <211> LENGTH: 13
222 <212> TYPE: PRT
223 <213> ORGANISM: Homo sapiens
225 <400> SEQUENCE: 21
227 Phe Ala Thr Asn Phe Tyr Gln His Leu Ala Asp Ser Lys
228 1          5          10
230 <210> SEQ ID NO: 22
231 <211> LENGTH: 9
232 <212> TYPE: PRT
233 <213> ORGANISM: Homo sapiens
235 <400> SEQUENCE: 22
237 Phe Gly Leu Tyr Ser Asp Gln Met Arg
238 1          5
240 <210> SEQ ID NO: 23
241 <211> LENGTH: 11
242 <212> TYPE: PRT
243 <213> ORGANISM: Homo sapiens
245 <400> SEQUENCE: 23
247 Phe Asn Pro Val Thr Gly Glu Val Pro Pro Arg
248 1          5          10
250 <210> SEQ ID NO: 24
251 <211> LENGTH: 11
252 <212> TYPE: PRT
253 <213> ORGANISM: Homo sapiens
255 <400> SEQUENCE: 24
257 Phe Pro Asn Ala Glu Phe Ala Glu Ile Thr Lys
258 1          5          10
260 <210> SEQ ID NO: 25
261 <211> LENGTH: 10
262 <212> TYPE: PRT
263 <213> ORGANISM: Homo sapiens
265 <400> SEQUENCE: 25
267 Phe Ser Ile Ser Thr Asp Tyr Ser Leu Lys
268 1          5          10
270 <210> SEQ ID NO: 26
271 <211> LENGTH: 6
272 <212> TYPE: PRT
273 <213> ORGANISM: Homo sapiens
275 <400> SEQUENCE: 26
277 Phe Trp Asp Tyr Leu Arg

```

RAW SEQUENCE LISTING

DATE: 06/05/2002

PATENT APPLICATION: US/10/033,741

TIME: 10:49:50

Input Set : A:\PTO.PG.txt

Output Set: N:\CRF3\06052002\J033741.raw

```
278 1 5
280 <210> SEQ ID NO: 27
281 <211> LENGTH: 13
282 <212> TYPE: PRT
283 <213> ORGANISM: Homo sapiens
285 <400> SEQUENCE: 27
287 Gly Leu Ile Asp Glu Ala Asn Gln Asp Phe Thr Asn Arg
288 1 5 10
290 <210> SEQ ID NO: 28
291 <211> LENGTH: 13
292 <212> TYPE: PRT
293 <213> ORGANISM: Homo sapiens
295 <400> SEQUENCE: 28
297 Gly Gln Phe Glu Asp Val Thr Leu Tyr Gln Gly Glu Arg
298 1 5 10
300 <210> SEQ ID NO: 29
301 <211> LENGTH: 8
302 <212> TYPE: PRT
303 <213> ORGANISM: Homo sapiens
305 <400> SEQUENCE: 29
307 Gly Ser Phe Pro Trp Gln Ala Lys
308 1 5
310 <210> SEQ ID NO: 30
311 <211> LENGTH: 12
312 <212> TYPE: PRT
313 <213> ORGANISM: Homo sapiens
315 <400> SEQUENCE: 30
317 Gly Thr Asp Phe Gln Leu Asn Gln Leu Gln Gly Lys
318 1 5 10
320 <210> SEQ ID NO: 31
321 <211> LENGTH: 12
322 <212> TYPE: PRT
323 <213> ORGANISM: Homo sapiens
325 <400> SEQUENCE: 31
327 Gly Trp Phe Glu Pro Leu Val Glu Asp Met Gln Arg
328 1 5 10
330 <210> SEQ ID NO: 32
331 <211> LENGTH: 12
332 <212> TYPE: PRT
333 <213> ORGANISM: Homo sapiens
335 <400> SEQUENCE: 32
337 His Gln Phe Leu Leu Thr Gly Asp Thr Gln Gly Arg
338 1 5 10
340 <210> SEQ ID NO: 33
341 <211> LENGTH: 11
342 <212> TYPE: PRT
343 <213> ORGANISM: Homo sapiens
345 <400> SEQUENCE: 33
347 His Val Val Pro Asn Glu Val Val Val Gln Arg
```

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/033,741

DATE: 06/05/2002

TIME: 10:49:51

Input Set : A:\PTO.PG.txt

Output Set: N:\CRF3\06052002\J033741.raw